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 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

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SUBJECT: Discusses 910812 notification of potential generic component defect found during insp of ASEA/ABB type RXMH2, model RK223068-EA & RK223069-EA relays at facility.

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MAY



August 16, 1991

Director, Office of Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Notification of Potential Generic Defect
Per 10CFR Part 21

Notification By: ABB Power T&D Company Inc., Relay Divisions
4300 Coral Ridge Drive
Coral Springs, FL 33065
William H. Wallace
Manager Total Quality & Process Technology
(305) 752-6700

On August 12, 1991, United Controls Division of HUB Inc. submitted notification to the Director, Office of Nuclear Reactor Regulation of a potential generic component defect found during an inspection of ASEA/ABB Type RXMH2, Model RK223068-EA and RK223069-EA relays at Florida Power and Light's Turkey Point Units 3 and 4. ABB Power T&D Company, Inc. has marketing responsibility for this product in the United States. The product is manufactured in Sweden by an affiliate. ABB Power T&D Company Inc. also has responsibility for notifications, customer contacts and similar items, and it is in this capacity that this notification is made.

Additional investigation has confirmed that all type RXMH2 AC or DC voltage operated heavy duty auxiliary relays manufactured from March, 1989 until September, 1990, have the potential for coil insulation breakdown. This coil configuration is unique to the type RXMH2 relay. Investigation of sales records indicates that the type RXMH2 relay has been sold as a commercial grade component for protection and control systems to a wide variety to customers. Many of the RXMH2 relays are sold to original equipment manufacturers for incorporation into systems purchased by utility end users. Relay customers are being notified through the following message sent August 15, 1991, to all ABB Power T&D Field Sales offices for transmittal to original equipment manufacturers who may have purchased RXMH2 relays and to utility customers who may have these relays installed in nuclear facilities.

ABB Power T&D Company Inc.

Relay
Division

4300 Coral Ridge Drive
Coral Springs, FL 33065

Telephone: (305) 752-6700
Telefax: (305) 345-5329

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August 16, 1991
Page Two

"ABB was recently notified of the failure of a type RXMH2 heavy duty auxiliary relay. The RXMH2 AC or DC voltage operated auxiliary relay is especially suited for protective relaying and industrial applications requiring electrically independent multiple contacts with high breaking capacity and are often applied in parallel with fast operating trip relays. Examination of the failed relay revealed insulation breakdown at the coil termination. This mode of failure will cause the relay to fail to operate under fault conditions. This problem is caused by the misplacement of insulating tape installed on the coil termination during assembly of the product. Examination of additional RXMH2 units at the same customer installation indicates that this condition may occur on other RXMH2 units. Further investigation has shown that this deviation in assembly procedure may have occurred in units manufactured from March, 1989 until September, 1990. Each relay is marked in the upper right corner of the legend plate with the year and week of manufacture (e.g. 9036). The relays that may have this problem are the type RXMH2 marked 8909 up to and including 9036.

Field data does not indicate a reliability problem with this component. However, ABB is aware of application of the RXMH2 auxiliary relays in protection and control systems of U.S. nuclear installations. RXMH2 relays in applications where a failure to operate could cause a substantial safety hazard should be checked for coil insulation integrity. Please contact your local ABB Field Sales office or John Wilson (305-752-6700) at the Coral Springs Relay Division Total Quality Department for further information."

Prepared By: William H. Wallace Date: 8/16/91
William H. Wallace
Manager Total Quality &
Process Technology

Reviewed By: Donald L. Jans Date: 8/16/91
Donald L. Jans
Vice President &
General Manager

WHW/lw

cc: Michael Charlton/United Controls
S. Franzone/FP&L

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